

What is claimed is:

1. A support system for a catalytic monolith, comprising:
 - a. wire arranged to provide cushioning support and/or gaseous sealing for said catalytic monolith;
 - b. insulation material comprising predominantly non-intumescent material and arranged integral with said wire to provide thermal insulation and/or gaseous sealing for said catalytic monolith.
2. The support system for a catalytic monolith according to claim 1, wherein said wire is arranged as a wire mesh.
3. The support system for a catalytic monolith according to claim 2, wherein said wire mesh is crimped, so as to provide at least one barrier to gasses, support, and/or cushioning for said catalytic monolith.
4. The support system for a catalytic monolith according to claim 3, wherein said wire mesh is crimped in a multi-herringbone configuration.

5. The support system for a catalytic monolith according to claim 3, wherein said at least one barrier includes an air blockage points, so as to direct gases through said catalytic monolith.
6. The support system for a catalytic monolith according to claim 1, further comprising an end seal proximal to said wire so as to direct gases through said catalytic monolith.
7. The support system for a catalytic monolith according to claim 6, wherein said end seal is proximal to a gas inlet and/or outlet of said catalytic monolith.
8. The support system for a catalytic monolith according to claim 1, wherein said insulation material is a ceramic.
9. The support system for a catalytic monolith according to claim 8, wherein said insulation material is flexible at ambient temperatures.
10. The support system for a catalytic monolith according to claim 8, wherein said insulation material is at least 95% non-intumescent.

11. The support system for a catalytic monolith according to claim 8, wherein said insulation material is 100% non-intumescent.
12. The support system for a catalytic monolith according to claim 9, wherein said insulation material is flexible at temperatures from about 0 °F to about 1700 °F.
13. The support system for a catalytic monolith according to claim 8, wherein said insulation material includes refractory ceramic fibers.
14. The support system for a catalytic monolith according to claim 2, wherein said wire is arranged as a plurality of sheets of wire mesh, and said insulation material sandwiched between said plurality of sheets of wire mesh.
15. The support system for a catalytic monolith according to claim 2, further comprising an end seal proximal to said wire mesh and/or insulation material.

16. A method of providing a support system for a catalytic monolith, comprising the steps of:
- a. providing a wire;
 - b. arranging said wire to provide cushioning support and/or gaseous sealing for said catalytic monolith;
 - c. providing insulation material of predominantly non-intumescent material; and
 - d. arranging said insulation material integral with said wire to provide thermal insulation and/or gaseous sealing for said catalytic monolith.
17. The method of providing a support system for a catalytic monolith according to claim 16, further comprising the step of crimping said wire mesh, so as to provide at least one barrier to gasses, support, and/or cushioning for said catalytic monolith.
18. The support system for a catalytic monolith according to claim 17, wherein said at least one barrier includes an air blockage points, so as to direct gases through said catalytic monolith.

19. The method of providing a support system for a catalytic monolith according to claim 16, further comprising the step of crimping said wire mesh in a multi-herringbone configuration, so as to provide at least one barrier to gasses, support, and/or cushioning for said catalytic monolith.
20. The support system for a catalytic monolith according to claim 19, wherein said at least one barrier includes an air blockage points, so as to direct gases through said catalytic monolith.